

SPECIFICATION AMENDMENTS

Please amend specification paragraphs 1-3, 10, 28, 30, and 35 as follows:

[0001] This application claims the priority of application number 10254131.0 filed in Germany on November 20, 2002, the disclosure of which is expressly incorporated by reference herein.

[0002] The invention relates to a removable roof for a motor vehicle. Preferred embodiment embodiments of the invention relate to a removable roof for a motor vehicle passenger car, which covers an opening between a windshield frame and a vehicle body frame structure of a body of the passenger car extending behind vehicle occupant seats, said roof comprising dimensionally stable material and, on the one hand, is held in position by a form-lockingly acting fixing system and, on the other hand, by a locking system.

[0003] The subject matter of this application is related to commonly assigned applications application serial Nos. 10/716,867; 10/716,942; and 10/716,943, filed herewith and based on respective German application Nos. 10254108.6; 10254130.2; and 10254132.9.

[0010] Important advantages achieved by means of the invention are that the roof elements, in conjunction with the first fixing device and the second fixing device as well as the locking system, easily withstand the occurring stress which is a result of the given construction of the windshield frame and of the rearward vehicle body frame structure which represents, for example, a rollover bar

system. Because of this construction, the manual mounting measures for fastening the roof elements on the passenger car and ~~detach~~ detaching these roof elements from the latter can be carried out rapidly and without effort, for example, by one person. The components of the first and second fixing ~~device~~ devices can be changed at acceptable expenditures and can be accommodated at the roof elements or the windshield frame. The same correspondingly applies to the locking system which is in each case operative between the roof elements and the rearward vehicle body structure.

[0028] The second fixing device 16 has a bearing journal 26 which projects into a receiving bore 27, which bearing journal 26 is provided on the roof element 13, and which receiving bore 27 is provided on the cross member 24 of the windshield frame 3. The receiving bore 27 is worked into a metallic insert 28 which is integrated into the windshield frame 3 consisting, for example, of a fiber-reinforced plastic material, or the cross member 24, in such a manner that the above-mentioned insert 28 is embedded in the cross member 24. Adjacent to its free end 29, the bearing journal 26 has a molded-on guiding device 30 of a largest diameter D_g , from which it ~~merges~~. On the merges, on one side, into a shaft 31 with a smaller diameter D_k and from which, on the other side, it tapers off as a conical point 32.

[0030] In order to ensure a targeted function of the first fixing device 15 and of the second fixing device 16, in the longitudinal sectional view according to Figure 3, the bearing journal 26 extends at an acute angle α (approximately 15°

to 25°) with respect to the horizontal line 47 46. In this case, the bearing journals 26 of the second fixing device 16 and the forward flange-type roof extension 18 extend at an acute angle β (approximately 8° to 12°) with respect to one another.

[0035] As mentioned above, the two roof elements 13,14 are fitted together along the longitudinal center plane A-A B-B. Here, the one roof element, specifically 14, by means of a first lateral roof element extension 78, projects beyond a groove 79 of the other roof element, specifically 13 - Figure 11 -. The roof element 13 is provided with a second lateral roof element extension 80 which also extends beyond the groove 79. For sealing off the roof elements 13, 14 in the area of the longitudinal center plane A-A B-B, a first sealing section 81, a second sealing section 82 and a third sealing section 83 are operative. The first sealing section 81 and the third sealing section 83 are constructed in the manner of sealing lips which interact with interior walls 84 and 85 of the roof element extensions 78 and 80. The second sealing section 82 extends between the roof elements 13, 14 and is constructed as a hollow sealing body with a circular cross-section on which ends 86, 87 of the first lateral roof element extension 78 and of the second lateral roof element extension 80 are supported approximately tangentially. Finally, the three sealing sections 81, 82 and 83 are components of a sealing body 88 which is made of one piece and is held in position in the groove 79 of the roof element 13.